

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:183	Late	LPZ-124	AGGTGACCGTCCGTTCCGGGTGTATTGTGCGAACACGTAGGATGGTGCTACGTTGA AACCACCGTTACCTTCTTCGATATGTTATAGTTTCGAGTTCATACGGAGGGAATACC GTTTGTAGTGTTATTACAGACAACCCCGTCCTGATTAAACACCCCGCAACCAAGG ACGTATTCGACGTTCCGGTATTGTTTGACACACTCAAGTTATAACTCTGAATAGGCGC TACCCGAAGTAAGCATTGTACCAAGTCGTTATTTTTGCCTTCGTAAGGATT TTGAAATATATCCGCACAGGCTGCAACTGATCTTCGTAAGAACTCTTTCTTAACTGA GCAAACTGAACAGCATCAGCATTTTGACCCGACCTTTCATCGGCACCTGCTGCACA CCCGCATACGTATTAAGCAATGTTCTGTCTGGCCAGGTTTGCCTTTTTGGTTGTAA CAGGACAACGCCGTTAGCCGCCGCGATCCGTAGAGCGACGTAGAAGCCGCATCTT TCAGCACGGTCAC
SEQ ID NO:184	Middle	LPZ-126	AGGTGACCGTCGTCAGAAAAACGTGATTTCCGCAAACTTTGGATCACTCGTATCA ATGGGCAGCTCGTTTGAACGGACTTTCATACTCACAATTGATGCATGGTTTGAAGTT GGCTGAATCGAAGTGAACCGTAAATGTTGGCTGACTTGGCTGTTAACGATGCAGC AGCTTTCAAACCTTCGACAGCGAGCTAAAGCTAAGCTTGGGTAAATAATTAATAA AGAACCGAGGTTTCCTTGGTTCTTTTTATAACTTTTAAAGATGAAGAGAG AAACAGCCTGTCTTCTACTTATAGTATAAGATAAAAGCTTGTACTGATAAGACAGC TTTCATGGTAAAGCAGTTAAAAATAGGGATTGCGATATAATAGAAAAACAGACGT TTATGTAAATAAAAAACAGTAGAATGGAGAAATTATGTCAGAGAATCGTTTGGCTTG GGATCAGTATTTTGGGCCAGGCTCTCTTAATCGCTAATCGCTCAACCTGTAAGCG AGCCAAAGGTGGCTCCGTATTGTCAAGGATAATAAGGGTATTTCAACTGGGTACA ATGGCTCAGTTTCAGGGACTGGAGACTGTATTGACCAAGGAGTGCTGGTCATTGA CGGTCAC
SEQ ID NO:185	Late	LPZ-127	AGGTGACCGTGGCGGAGGTTAGGGAAGTTTGACTTCTCATTTTCTACGCACTCCT CTCCTCGTAACCTCGGTGAGTCGATGGCGGCTTTTAGTCGAGTGTGCTAACGCA CCCTCCGGCCTCAAATTTCCAGCTACTCGTATTTGATCAATGCTGAAATCGCGTAA TTACGTAGTAATAAAGCGTAATGAATTCTATAATGAAGCATGTTTCTCTATAGTTCAT GTGCCGAGAGGAATAATGAAAATGAGGCCTTATATATTATCTGGGGCTCAAGGAGA TGTTATCTTTTCTTCTTGGTTAGAGACCGTCAACCTTCACTTGATTGGATAAAGC TTCAATTTTGTAAACCTCCAAGCCAGTAGATACATACGGTAGGCACGTATTATGGT AGAGACATACGGTCAC
SEQ ID NO:186	Late	LPZ-128	AGGTGACCGTCCTGTTGCCAACCAGCAATCCAAATCGACTTGGGCTGCTTCCTTT CGTGCGATATTTCTGGTTTGGACTCTAGTTCTTGCTCCTGGAAATCATGCTTGAGT GCTGGGTAGCTGCCTCCAAGTTTGGTTGACAGGCCATTCTTACAGCTTCTCTCT TCCGCTTATGACAGAGTAATGACAGGAATTC AACCTGACGGATCCGTCTAGCTCTC ACAAGGTTGGGACCCTGTCTTCGAGAGGGTTATTTCTTGAGACTGTTGACTATATTT TGGATGAGCCCTCAGCTCTGTGTACTATTGTTCTGACTGGATACTTTGTAATGA TTTTATTCTGGTTTTACCCCGGGGGGGCATTGTGACTCCTGGGTTAATACGGTC AC
SEQ ID NO:187	Late	LPZ-131	AGGTGACCGTGGAACATGATGATTAGTTCTTCTGTGGGCCAGGATGATTAGTTCTC TGTGTGACTGTGGGCCAGGATGATTAGTTCTCCTGTGACGACTGTTGGATAGGATG ATTCTGCTCCTGTGGACAGGATGATTAGTTCTCCTGTGAGGCACCCTACCCATGC AATTTGGGATCATGGGAAGTACCTCTCATCTGATCAATGAGTAGGGAATGGGGTT AGGGACCATTAGAGTACTATCGATGGACACATCGTTGTATCTACCGTCCTATGCTA GGACGACCTCCATTGTTGGGATTAGTGAGAGTGGTATGACACTCTGAGACTGACT TTGGGTCAGTGGAGGATGTATGATACATCCTCGATCATTTCTTCTTCTCATAGTTC GAGCAGAGCAGAGCACAACAGGCCAAGTAGTGACGGGTAGTGACATTTGATGGCTG GGATAGTAGCGACGGTCAC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:188	Middle	LPZ-133	AGGTGACCGTAAATAAGATGACCCACATGGAGTTTGGCCCTAGTTTCCAATTTTAA CAC1CGCTCTCAACTAGGGAGAACTCCATTGCTGATCCATTTGTCCGACTATACTA TCTCTGCATCAGTGCCCTACACTACTCTGCACTGCTCTGCTCTACTAAACCATGAA GAAGAAGAATGACCGAGAATGTCTCATGCCATTCTCTATTGACCTGAAGTTAGTCC TATATGAAGAGA1TGTGTCATATCACTCTTATTGACCCAAAGTCAGTTTTATTGATCC CAGATCAATATCACAGAGAGTGTCTCAAACCACTCATACTGATCCCAGATCAGTTTC ATTGATCCCATATCAAGGAGATCATCCTAGAATAGGGAGTACAGTAGATACAATGAT GCATCCATCAATAGTACT1CTATGGTCCCTAACCCCATTTCCCTGCTCATTGATCAG ATGAGAGGTACTTCCGATGAGCCCACTGCATGGGTAGGATGCCTCGACATGAG AAATAATCATCCTATCCACAGGAGACGAATCCTCCTGTCCCACGGTCAC
SEQ ID NO:189	Middle	LPZ-136	CTAGGGAAGACTTTAAAAGTTTGTAAGTAACTAAGCATAGCTCTTAAACACTGAAGTTA AAGACATGATTGGAATGTGCAAGTGGTTCAGTATCCAAATATTGAAGTTGCAGAA TATGGGCTACTGTGCAAACGAGTAACTTTATCTATATTTTACAAGATCATACAATG GGAAACGTGAGATAACAACCTGCATCGGTGAACCAGAATAGTTATAAAAGTTCTTGC AAGTAAAGGGTGAATAATTGCATGGTGTGAATTAAGAATGACCATGTAGAGCTGCT ATACAGACTTCTCAAGGTTTATATTTGAGGAGTGCAGCTATTGATGTTGTGCAAA AATTTGAGAAATTAATTCTGCGGCATTTATCAAGGTTGTTGAGCCATTTAAATAGCA AGTTTTTGTCTCCAGTACTTTCAGGAAAGCAGGTTAGACGATAAAATGCATCTTC CCAATTTACTATATTTCTGTTTTAAAAGATTCTCTCAATGTCTTAGCACGTGGCTTT CATTATTGGGACCAATGAAGATGTGTAGCAGAGGCATTACGTTATGGAATCTCTCA CCAAGAACACTGTTTTGGGCTTTAGATAGCTCCTAGTTATAAATGTCCAGTGACAA ACACATCCTAAGTTTGGGGCAATTAATGACGCCTTTTGGTCATTCTCCTTTGGGTTT CAGGCACGGTCAC
SEQ ID NO:190	Late	LPZ-137	TCCCTTTAGTGAGGGTTAATAGATCTATAGTGTACCTAAATCGCGGCCGCTCTAG AACAGTGGATCCGCAAGCAGGATAGACGGCATATGCATTGGATGCTGAGAATTG ATATCAACTTATCGATACCGTCGACCTCGAGGG
SEQ ID NO:191	Middle	LPZ-138	GGTGCGATCCTAAACATGCAAGCTTTGAGTTTGTAACTTTGTAGAAGTGACATTTT TAAGTTGGATGTACAAATCTACTGTTGGTTGTATTGTCTATCCATAAACAAGTGT GATGAGATGTTTTTTTTAAAAACCATCATAATATTTTAGGCCTTGTAACAAAAA AAAAAAAAAAAA
SEQ ID NO:192	Late	LPZ-140	ATTCCAACTTTTCTTTCAAGATGTACACCAACATCATTGTCCCAACTTAGTAGACT TGACTTTTCAACAGGTCCAAAGAGAGGGTGGTGGGAAGCAGATTTCAAGGCTTCG AATAAGTATCAATGATATAAGCATCATCCCTTGCCAATTGTTCTGGATCGCAC
SEQ ID NO:193	All	LPZ-141	GGTGCGATCCCATCAGGGGTTGTGTTTCTAAGAATCACTTCCATGTTTCAAATTCAG CACTTGATCTTGATACATACCCAATTTGTTGCCTGCTACTAGCTAGTATTGTCTTTCA GTTTGAACCATTTTTTTGAGTAAATCGTGTTTAGTCTTTGGCAAAAAAAAAA
SEQ ID NO:194	Middle	LPZ-143	GGTGCGATCCGCATTAGAGAAGCATAACAGGAAAAAGAGTACCTGCCTCTTGATT GCGCCCAAGAAGACTCGTGCTATCAGGCGACGCCTTACCAAGCATCAGGCATCAT TGAAGACGAGAGACAGAAAAAGAAAGAGATGTATTTTCCAATGAGAAAGTATGCAG TCAAGGTGTAAGCCACAGGATTTGAGCTTTTCAATGCAATTTTTTTGTTACTTGCGGGA TGATATTGCCTATATATTTCCGTCCACGTTTTTGGCAAAATCCGATTTGCATCAGAA TTCAAGTTATGATAGTGTCTTTTCGCTTTTGAGCAGTTGATATTGTTATCTTTATT TCTCTTGAATTGCAACATATTCTAATGCAATGAGTGGATTATTATTTGTTGTTTTC CATGTTGAACTCATATAAATGAGCGTAATTTGAGTGGTAGCGCTAGGATATTACAC TTGGCAAAAAAAAAA

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:195	Middle	LPZ-144	GGTGCGATCCGTATAGGTAGTTTGGATGATGAACGGGCAAAGAAGGCAAAGGAGT ACAGGATGGATCCTGTAATTCCTGTTTCAGAAAAACAGAAATCTGCAATATAAGGAT GGCTAACTTTTCAGCTATGAAAATATATGGTGCAGTGGCACTCATATCAGTTGCAGA GTTGTCAAATAACTTTTGTGAATAGGAAAGTTGTCCTCTTTAGAGTGCAGAAATCC TGCAATATAAGATGGCTAAGTTTTTCAGCTATATGAAAATATATGGTGCAGCAAAAA AAAAAA
SEQ ID NO:196	Late	LPZ-145	GGTGCGATCCCATATACAATTACATATATTTTCAACAATTCCTTTGTTGTTATGAAAA TCTATTGAAATAAATTGAAATAGTTTGCATCATTTATTTATCGGAATTCGTATTTATAT ATTAAATTTCTGATGTCTCAAATCCTTCGTTACTGTAACGATATCATTAAATATAATGT GTCTGCAAGTTTATTGGGCAAAACAAAATTTATTTTCGGTCACATCATAAGTTTATT TTTGGTCACATCATATGCACCATCACATTAAGCATAAGCATATACAGTAGCGTAAAA ATACAATTATTGTTGTTGACTAGGATCGCAC
SEQ ID NO:197	Late	LPZ-146	GGTGCGATCCTAGTCAACAACAATAATATGTATTTTTACGCTACTGTATATGCTTAT GCTAATGTGATGGTGCATATGATGTGACCAAAAAATAAACTTATGATGTGACCGAAA AATAATTTTGTGTTTGTCCAATTAGACTTGCTGTATATGTCTGGAGTCTACCTTGAA AATTGACTTGTTTCCC
SEQ ID NO:198	Late	LPZ-147	GGTGCGATCCCATATACAATTACTTATATTTTCAACAATTCCTTTGTTGTTATGAAAA TCTATTGAAATAAATTGAAATAGTTTGCATCATTTATTTATCGGAATTCGTATTTATAT ATTAAATTTCTGATGTCTCAAATCCTTC
SEQ ID NO:199	Late	LPZ-148	CCACTGCACCATATATTTTCATATAGCTGAAAACTTAGCCATCCTTATATTGCAGAT TTCTGTTTTCTGAAACAGGAATTACAGGATCCATCACTGTACTCCTTTGCCTTCTTT GCCGTTTCATCATCCAACTACCTATACGGATCGCAC
SEQ ID NO:200	All	LPZ-149	AGAGCCTTCTTGCGAGACAATCCGTGAAAACATGGCTATACAATAAAAAATCCCAGTT TGAATTTCTAAAGAAAACGTTCATATTTGAAGGCCTCTGATATCACAGAGACTGAT ATTAAATGGAAATTCATACAAATGAGGAGAGCATGTAGCAACACTAGAAGCTTTGG CATAAAGCACCCAGATAAATTCATAAGAACTAAATCCATAAGAAGGATCTCTCGTTCA CCAGTCACAATCACACTCGGATCGCAC
SEQ ID NO:201	Middle	LPZ-150	GGTGCGATCCCTGGCCCTGATAACTTTGGTTGCAATGGAAAAATGCAGTACTAGGTG CGAAATGCTAAAGCCCGCCCGGAGCGGTGCATGAAGTACTGCAATATTTGTTGTAG TAAATGGCTGGTTGTGTTCCAGTGGTCACTATGGCAACAAGGACGAGTGCCCT GCTACAGAGAATGAAGTCCGCGAGCCGCAAGCCCAAGTGCCCTGATCTTAGCAC TTCAGTCCAGTCCCACTTCTTTTATTCTCTTTTTTATAAAAGTGACGAGGCCGTTT TTCTTGCTTGGTGCCATATGTAGAGCGGTGGCTACTTCTCCTGTGTTAGGAAAT GTTGCAGTACTAATAATAGAATCTCTT
SEQ ID NO:202	Middle	LPZ-151	GGTGCGATCCAATAAAGATATACTTTGCAACAATAATCAAAATATCATTATGCAAAG TTTAAGATCAAAATAGAATGCAACAAAAAATGGTTGTAACATAGGAACCAACAATG TTGCATTCAAGTAAGACTCTTTGCAAAAAAAAAAATAAAAAAAAAA
SEQ ID NO:203	Middle	LPZ-152	GGTGCGATCCACAAGTAAGATAATTGAGTATATATTCAAGATGCAAAATATTTCTTA GGACCACTCATAAAGTTATCAATGATTCACAAAGAGACCTCCTGACCTCTCTCAAAA GTGGTGGCAACACAAGACTAGTGTAGTTTTTACTATACCTCAATGAAACTACCATCC TAACTGATGCCATAATCTTCTGTTATATATTACCAAAATTTATGAGATGATTGATCCA TAAACACTCCAGAACACATAGTCATCCAAAGGAACCTTTGCTTGAATATGGACCCC CTTAATTCAGGTACTTGCTACTCCAATAAATTGCTTAATCTCTCCACCGATAACCCAC AGTTTGGATCGCC

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